STATEMENT OF WORK
FOR THE
MINE CLEARANCE LAUNCHER
MK 154
NSN *1055-01-226-6338*
Inspect Repair Only As Necessary
(IROAN)
B1315

TABLE OF CONTENTS

List of Repair Parts and Assemblies Required for Repairs Appendix C

STATEMENT OF WORK FOR THE MINE CLEARANCE LAUNCHER MK 154 Inspect Repair Only As Necessary (IROAN)

1.0 SCOPE. This Statement of Work (SOW) establishes and sets forth tasks and identifies the work efforts that shall be performed by the Contractor in the IROAN effort of the **Mine Clearance Launcher (MCL) MK 154,** hereafter referred to as the **MK 154**. This document contains requirements to restore the **MK 154** to Condition Code "A." Condition Code A is defined as "serviceable/issuable without qualification, new, used, repaired or reconditioned materiel which is serviceable and issuable to all customers without limitation or restriction. Includes materiel with more than 6 months shelf-life remaining." National Stock Number **(NSN) 1055-01-226-6338** shall be known as the **MK 154**.

1.1 Background. IROAN is defined as "That maintenance technique which determines the minimum repairs necessary to restore equipment components or assemblies to prescribed maintenance serviceability standards by utilizing all available diagnostic equipment and test procedures in order to minimize disassembly and parts replacement."

2.0 APPLICABLE DOCUMENTS. The following documents form a part of this SOW to the extent specified. Unless otherwise specified, the issues of these documents are those listed in the Department of Defense Index of Specifications and Standards (DoDISS) and supplement thereto which is in effect on the date of solicitation. In the event of conflict between the documents referenced herein and the contents of this SOW, the contents of this SOW shall be the superseding requirement.

2.1 MILITARY SPECIFICATIONS

MIL-C-46168	Coating, Aliphatic Polyurethane, Chemical Agent Resistant.
MIL-C-53039	Coating, Aliphatic Polyurethane, Single Component, Chemical Agent Resistant.

2.2 MILITARY STANDARDS

MIL-STD-129	DoD Standard Practice for Military Marking
MIL-STD-130	Identification Marking of US. Military Property
MIL-STD-461	Requirements for the control of Electromagnetic Interference Emission and Susceptibility.

MILITARY STANDARDS - (For Guidance Only).

MIL-STD-973	Configuration Management

2.3 OTHER GOVERNMENT DOCUMENTS AND PUBLICATIONS

DOD 4000.25-1-M	MILSTRIP Manual.
DOD 4160.21-M-1	Defense Materiel Disposition Manual.
NAVICPINST 4491.2A	Requisitioning of Contractor Furnished Material From The Federal Supply System
DTD	MEARS Document Type Definition
SL-3-09962A	Launcher, Mine Clearance MK 154 Mod 0
TM 09962A-13&P/2	Mark 1 Mod 0 Mine Clearance System.
TI-09962A-35/1	Fabrication and Installation of Electrical Connector Guard for the Launcher, Mine Clearance MK 154.
TM 3080-12	Corrosion Prevention and Control for Marine Corps Equipment.
TM 3080-50	Corrosion Control Procedures Depot Maintenance Activities for Marine Corps Equipment
TM 4700-15/1H	Ground Equipment Record Procedures.
TM 4750-15/1	Painting and Registration Marking for Marine Corps Combat and Tactical Equipment.
TM 4750-15/2	Camouflage Paint Patterns.
835028A0000	Mine Clearance Launcher, MK 154, Marine Corps Engineering Drawing
835028B0000	Container Assembly for MK 154, Marine Corps Engineering Drawing

2.4 Industry Standards

ANSI/ISO/ASQC Q9002	Quality Systems-Model for Quality Assurance in Production, Installation, and Servicing
ASTM D3951-98	Standard Practice for Commercial Packaging

Copies of Military Standards and Specifications are available from the DOS Single Stock Point, Defense Automation Production Service Philadelphia, Building 4D, 700 Robbins Avenue,

Philadelphia, PA 19111-5094, Telephone (215) 697-2179 or DSN 442-2179, or http://www.dodssp.daps.mil. Copies of other government documents and publications required by contractors in connection with specific SOW requirements shall be obtained through the contracting officer: Commander, Marine Corps Logistics Bases, (Code 891) Attn: Contracting Officer, 814 Radford Blvd., Albany, Georgia 31704-1128, commercial telephone number (912) 439-6753 or DSN 567-6753. Copies of engineering drawings, if applicable, shall be obtained from Commander (Code 825-3), Marine Corps Logistics Bases, 814 Radford Blvd., Albany, Georgia 31704-1128, commercial telephone number (912) 439-6410 or DSN 567-6410.

3.0 REQUIREMENTS

3.1 General Tasks. In fulfilling the specified requirements, the Contractor shall:

a. Provide materials, labor, facilities, missing parts, and repair parts necessary to inspect, diagnose, restore, and test the **MK 154**. Upon completion of IROAN, repaired equipment shall be Condition Code "A".

b. Provide all tools and test equipment required to test, inspect, repair, and calibrate the **MK 154** .

c. Conduct in-process and final on-site testing for witness by an MCLB, Albany, representative.

d. Be responsible for all structural, electrical and mechanical requirements associated with the restoration of the **MK 154**.

3.2 Detail Tasks. The following tasks describe the different phases for IROAN of the **MK 154**.

3.2.1 Phase I - Pre-induction. A pre-induction inspection analysis shall be performed for each **MK 154** using the Contractor's diagnosis, inspection and testing techniques to determine extent of work and parts required. This inspection shall included all items associated with the **MK 154** as found in SL 3 09962A, TM 09962A-13&P/2, and TI 09962A-35/1. These findings shall be annotated on a Pre-Induction Check list that shall become Appendix A to this SOW and shall be provided to the government in accordance with Paragraph 4.0 of this SOW.

3.2.2 Phase II - IROAN. After pre-induction tests and inspections have been completed, repair of the **MK 154** shall be accomplished in accordance with this SOW. Deficiencies noted on the Pre-Induction Checklist, (Appendix A), during Phase I shall be repaired/replaced. Components or assemblies shall not be disassembled for replacement of mandatory parts unless that part has failed, or the component assembly wherein the part is located is disassembled for repair.

a. Pre-Induction Checklist - Information recorded on the Pre-Induction Checklist report shall be used as a guide to repair the **MK 154** system in accordance with this SOW.

b. Technical Instruction (TI) - All TI's not previously applied to the **MK 154** shall be applied during the IROAN and shall be annotated on Equipment Record Jacket in accordance with TM 4700-15/1H.

c. Corrosion - For corrosion prevention and treatment use TM 3080-12 and TM 3080-50.

d. Fluid Leaks - The following shall be used as a guide in determining degree of fluid loss:

(1) Class I - Seepage of fluid (as indicated by wetness or discoloration) not great enough to form drops.

(2) Class II - Leakage of fluid great enough to form drops, but not enough to cause drops to fall from the item being checked/inspected.

(3) Class III - Leakage of fluid great enough to form drops that fall from the item being checked/inspected.

NOTE:

A class I leak, except in fuel or brake systems, is an acceptable condition at any time and does not require corrective action.

e. Belts - Replace all.

f. Data Plates - All required data plates and decals shall be in place and shall be legible. Each repaired **MK 154** shall have an IROAN data plate affixed to the main unit in close proximity to the existing data plate. The data plate shall meet the requirements of MIL-STD-130 and TM 4750-15/1 and shall contain the Equipment Serial Number, date of IROAN, Date of SOW, SOW number, and Company name of contractor completing work.

g. Painting/Coating (Exterior/Interior) - If painting/coating is required, the **MK 154** shall be cleaned in accordance with TM 3080-50, Chapter 4, and coated with Aliphatic Polyurethane Coating, in accordance with MIL-C-46168 or MIL-C-53039 using TM 4750-15/2 as pattern guidance if required.

h. Demilitarization - All end items that are identified as non-repairable and require demilitarization codes, shall be reported to the Marine Corps Logistics Bases representatives Code 837-1, who will provide disposition instructions in accordance with DODD 4160.21-M-1.

i. Electromagnetic Emission - All requirements pertaining to control of electromagnetic interference, emission and susceptibility shall be in accordance with MIL-STD-461.

j. Hardware

(1) Replace broken, unserviceable and/or missing hardware including nuts, bolts, screws, washers, turnlock fasteners, mandatory, safety, and one-time use items, etc., in accordance with TM 09962A-13&P/2. Unserviceable would include any of the above that failed to function properly.

(2) Ensure proper hardware locking devices are present and operational on all moving mechanical assemblies.

(3) Hardware normally supplied with commercial parts shall be used unless specifically prohibited.

k. Hoses - All hoses and fittings shall be visually inspected for damage or deterioration. Any hose showing signs of leakage, kinking or separation of outer coating shall be replaced. This inspection shall be performed during the OTI of the **MK 154**.

l. Cable Assemblies - All cables and cable connections shall be tested and visually inspected for damage or corrosion. Any cable or cable connector showing signs of damage, corrosion or separation of outer coating shall be repaired/replaced and tested with it's respective component/assembly to assure satisfactory compliance with all operational test

m. Filters - Replace all.

3.2.3 Phase III - Inspection, Testing and Acceptance

a. Inspection, Testing and Acceptance of the **MK 154** shall be conducted in accordance with TM 09962A-13&P/2.

b. The Contractor shall be responsible for conducting required tests and shall ensure all necessary personnel are available to complete the final acceptance. Acceptance tests shall be held at the Contractor. MCLB, Albany, Georgia, representatives shall be given a minimum of two weeks notice prior to beginning acceptance testing. The test area shall be cleared of all equipment parts, components, etc., not required for the test.

c. The Contractor shall be responsible for correcting any deficiencies identified during inspection/testing. MCLB, Albany, Georgia, representatives may require the Contractor to repeat tests or portions thereof, if the original tests fail to demonstrate compliance with this SOW.

d. Acceptance testing/Operational Tests on all **MK 154** repaired under the provisions of this SOW shall be accomplished in accordance with TM 09962A-13&P/2. Operational Tests are to be conducted on each **MK 154** upon completion of repairs and prior to the equipment being returned to stock, to insure the unit will perform as required.

3.2.4 Phase IV - Packaging, Handling, Storage, and Transportation (PHS&T).

a. The Contractor shall be responsible for preservation and packaging of item(s) being repaired under the terms of this statement of work. All items shall be in accordance with the best commercial practices of ASTM D 3951-98.

b. Marking shall be in accordance with MIL-STD-129.

c. The Marine Corps will provide the contractor with the shipping address(es) for delivery of the repaired equipment. The contractor shall be responsible for arranging for shipment to the pre-designated site(s). The Marine Corps will be responsible for transportation costs associated with shipping the subject equipment to and from the contractor.

3.3 Configuration Management

3.3.1 Configuration Status Accounting (CSA).

a. The contractor shall record and submit data on retrofit accomplished during Phase II. Any approved Modifications Instructions (MIs) or Engineering Change Proposals (ECPs) not previously applied shall be incorporated during Phase II of the IROAN process.

b. The Contractor shall determine the application status of approved configuration changes by visual inspections to the extent possible. The government will identify the configuration changes to be inspected by furnishing a Configuration Inspection Checklist to the Contractor. The Contractor shall use one checklist per **MK 154** to record the inspection findings along with other required data.

c. The Contractor shall record serial numbers of the assemblies listed on the Configuration Inspection Checklist. The Contractor shall also record the information on the Equipment Record Jacket in accordance with TM 4700-15/1H

3.3.2 Configuration Control. The contractor shall apply configuration control procedures to established configuration items. The performance requirements for the MK 154 is under formal configuration control. The baseline configuration for the MK 154 has been established by Marine Corps Drawing numbers 835028A0000 for the Mine Clearance Launcher and 835028B0000 for the container and applicable MIs and ECPs. The contractor shall not implement configuration changes to an item's documented performance or design characteristics without receiving prior written authorization. If deemed necessary to temporarily depart from the approved baseline, the contractor shall submit a Request for Deviation or Request for Waiver using MIL-STD-973 (paragraph 5.4.3 or 5.4.4.) as a guide.

3.4 Quality Assurance Provisions

The Contractor shall provide and maintain a Quality System that as minimum, adheres to the requirements of ANSI/ISO/ASQC Q9002 Quality System-Model for Quality Assurance in Production, Installation, and Servicing.

3.5 Acceptance.

The performance of the Contractor and the quality of work delivered, including all equipment furnished and documentation written or compiled, shall be subject to in-process review and inspection during performance. Inspection may be accomplished in-plant or at any work site or location, and Marine Corps representatives shall be permitted to observe the work or to conduct inspection at all reasonable hours. Final inspection and acceptance testing shall be conducted at the Contractor. Final acceptance shall be conducted on 100 percent of items to verify that the units meet all requirements.

3.6 Rejection

Failure to comply with any of the specified requirements listed herein shall be reason for rejection by MCLB, Albany, representative. The Contractor shall, at no additional cost to MCLB, Albany, Georgia, provide the following:

a. Develop an approach for modification or correction of all deficiencies.

b. Upon approval of a documented approach, the Contractor shall correct the deficiencies and repeat the verification until an acceptable compliance with acceptance test procedures is demonstrated.

3.7 Government Furnished Equipment (GFE)/Government Furnished Materiel (GFM) GFE is government owned equipment authorized by contract for use by a commercial/Government contractor. It is neither consumed during production nor incorporated into any product. GFM is materiel furnished to a contractor that will be consumed during the course of production or incorporated into product being manufactured/remanufactured under a contract/statement of work. In the event the Marine Corps does have GFE/GFM requirements the Management Control Activity (MCA/Code 827-2), Marine Corps Logistics Bases, Albany, Georgia, will coordinate required GFE and will maintain a central control on Marine Corps assets in the Contractor's possession. The MCA will forward a GFE Accountability agreement to the Contractor Facility for signature to establish a chain of custody and property responsibilities for Marine Corps assets. The Contractor shall report receipt of all GFM and report consumption of GFM to the MCA.

3.8 Contractor Furnished Materiel (CFM). The Marine Corps has adopted the Navy's procedures regarding Contractor Furnished Materiel (NAVICPINST 4491.2A) In the event that Contractor Furnished Materiel is required for repair parts, the contractor shall requisition through the DoD Supply System. DOD 4000.25-1-M, (MILSTRIP) Chapter 11 authorizes contractors to requisition through the DoD Supply System.

4.0 REPORTS

4.1 Repairable Item Inspection Report. The Contractor shall provide a Repairable Item Inspection Report for each **MK 154.** The report shall be identified by United States Marine Corps Serial Number.

4.2 Monthly Progress Reports. The Contractor shall provide Monthly Progress Reports summarizing the progress and status of the IROAN Program.

4.3 Pre-Induction Checklist. The Contractor shall complete the Pre-Induction Inspection Checklist for each **MK 154** repaired. These documents shall be available during final acceptance testing. One copy of each document shall be provided to MCLB, Albany, Georgia, Code 837-1, after final acceptance of the **MK 154**.

The inspection checklist shall contain, but not be limited to the following:

(1) **MK 154** serial number. Appendix A
(2) Condition Code of **MK 154** at receipt. Appendix A
(3) Results of operational test. Appendix A
(4) List of defective parts and assemblies. Appendix B
(5) List of repair parts and assemblies required for repairs. Appendix C
(6) Corrosion prevention methods that shall be used. Appendix A

Serial number:_____ Condition Code at receipt: _____
Results of operational test:

_____
_____
_____
_____
_____
_____
_____
_____
_____

List of defective parts and assemblies. Appendix A
List of repair parts and assemblies required for repairs. Appendix C
Corrosion prevention methods that shall be used.

_____
_____
_____
_____
_____
_____
_____

Inspect all components for operating/malfunction/defective parts per TM 09962A-13&P/2. Visually check components for leaks, damage, loose parts & hardware. No disassembly of components is allowed unless the component is determined to be defective.

COMPONENT:	Pass	Fail	Remarks:
Mast Assy	____	____	_____
External-Actuator Cover	____	____	_____
Actuator Arm Lever	____	____	_____
Housing to Actuator Assy	____	____	_____
Hose Assy,Starboard	____	____	_____
Starboard Actuator Manifold	____	____	_____
Starboard Actuator Assy	____	____	_____
Housing-Actuator Hydraulic	____	____	_____
Hose Assy, Port	____	____	_____
Housing - Actuator Hydraulic	____	____	_____
System, Port	____	____	_____
Port Actuator Manifold	____	____	_____
Port Actuator Assy	____	____	_____
Starboard/Port Hinge Arm	____	____	_____
Starboard Door Assy	____	____	_____
Door Seals	____	____	_____
Door Latch Rod, Starboard Door	____	____	_____
Port Door Assy	____	____	_____
Wiring Harness W16	____	____	_____
Platform, Equipped for Access	____	____	_____

COMPONENT:	Pass	Fail	Remarks:
Launcher Cylinder Hydraulic Hose Assy	____	____	_____
Launch Cylinder Hose Assys	____	____	_____
Launcher Cylinder	____	____	_____
Launcher Cylinder Swivel Joint	____	____	_____
Elevation Cylinder Hose Assys	____	____	_____
Elevation Cylinder Swivel Joint & Elbows	____	____	_____
Elevation Cylinder Assy	____	____	_____
Elevation Cylinder Manifold	____	____	_____
Elevation Cylinder	____	____	_____
Turnbuckle Connecting Rod	____	____	_____
Elevation Cylinder Linkage Adjustment	____	____	_____
Connecting Rod	____	____	_____
Pivot Pin	____	____	_____
Pivot Bearings	____	____	_____
Center Sheath	____	____	_____
Shield	____	____	_____
Launcher Platform Rail	____	____	_____
Travel Lock Assy	____	____	_____
Pivot Assy	____	____	_____
Bumper	____	____	_____
Stop	____	____	_____
Bracket, Connecting Rod	____	____	_____
Mercury Switch Box	____	____	_____
Pendulum Box Assy	____	____	_____
Rockets Power Distribution Box	____	____	_____
Rocker Arm	____	____	_____
Support Arm	____	____	_____
Arm Sheath	____	____	_____
Port/Starboard Intermediate Sheath	____	____	_____
Sequence Lock Manifold	____	____	_____
Sequence Lock Manifold Hydraulic Assys	____	____	_____
Support Arm Tube Assys	____	____	_____
Elbow	____	____	_____
Elbow Bracket	____	____	_____
Three-Hole Bulkhead	____	____	_____
Tube Angle Mounting	____	____	_____
Launcher Housing Tube Assy	____	____	_____
Junction Box A	____	____	_____
Junction Box B	____	____	_____
Limit Switch	____	____	_____
Limit Switch Arm Bracket	____	____	_____
Wiring Harness W15	____	____	_____
Pivot Bracket	____	____	_____
Spring	____	____	_____
Test Plugs	____	____	_____
Nipple	____	____	_____
Coupler	____	____	_____
Lower Seal	____	____	_____

COMPONENT:	Pass	Fail	Remarks:
Sheath	____	____	_____
Intermediate Housing Sheath	____	____	_____
Port Housing Guard	____	____	_____
Starboard Housing Guard	____	____	_____
Forward Port Housing Guard	____	____	_____
Aft Port Housing Guard	____	____	_____
Forward Starboard Housing Guard	____	____	_____
Aft Starboard Housing Guard	____	____	_____
Port/Starboard Bar	____	____	_____
Swivel Elbow (Port H2)	____	____	_____
Tie-Down and Adapter Assy	____	____	_____
Tie-Down Adapter	____	____	_____
Tie-Down Assy	____	____	_____
Aft Wall Guard	____	____	_____
Aft Guard Assy	____	____	_____
Aft Port Guard	____	____	_____
Aft Starboard Guard	____	____	_____
Forward Guard Assy	____	____	_____
Cable Guide	____	____	_____
Starboard Cable Guide	____	____	_____
Aft Port Cable Guide	____	____	_____
Lower Engine Access Cover Latch	____	____	_____
Upper Engine Access Cover Striker	____	____	_____
Rail	____	____	_____
Center Channel Assy	____	____	_____
Aft Pallet Rail Tie-Down Bracket	____	____	_____
Port/Starboard Ramp	____	____	_____
Rear Pallet Assy	____	____	_____
Wear Plate	____	____	_____
Quick Release Pins	____	____	_____
Starboard Ramp Crossmember	____	____	_____
Ramp Wear Plates	____	____	_____
Aft Pallet	____	____	_____
Forward Pallet Assy	____	____	_____
Housing to Forward Pallet Hose Assys	____	____	_____
Capstan Hydraulic Hose Assy	____	____	_____
Forward Pallet Rail Tie-Down Bracket	____	____	_____
Quick Disconnect Coupler Fitting	____	____	_____
Power Distribution Box Assy	____	____	_____
Quick Disconnect Nipple Fitting	____	____	_____
200A Circuit Breaker	____	____	_____
2A Circuit Breaker	____	____	_____
10A Circuit Breaker	____	____	_____
200A Relay	____	____	_____
10A Relay	____	____	_____
Terminal Block	____	____	_____
Indicator Light Assy	____	____	_____
Toggle Switch	____	____	_____

COMPONENT:	Pass	Fail	Remarks:
Slave Plug			
Capstan with Hydraulic Motor Assy			
Capstan Drum			
Reduction Gearbox			
Reduction Gearbox Lubricating Oils			
Reduction Gearbox Oil Change			
Hydraulic Filter Change			
Capstan Hydraulic Motor			
Hydraulic Power Unit			
Manual Hydraulic Pump			
Manual Hydraulic Pump Handle			
Electric Motor/Hydraulic Pump			
Electric Motor/Hydraulic Pump			
Control Manifold			
Reservoir Assy			
Sight Glass			
Relief Valve			
Pressure Gauge			
Manual Pump Outlet Tube			
Manual Pump Inlet Tube			
Clip Spring			
Hydraulic Pump Inlet Tube			
Hydraulic Pump Outlet Tube			
Wiring Harness W12			
Wiring Harness W13			
Wiring Harness W14			
Arm Switch			
Control Box			
Control Box & Mounting			
Brackets Assy			
Brackets			
Lamps			
Selector Knob			
Toggle Switch Guard			
Receptacles			
Receptacle Connections			
10A Relay			
Relay Connections			
Filters			
Filter Connections			
System Power Switch			
System Power Switch Connections			
Panel Light			
Panel Light Connections			
Push Switches			
Push Switch Connections			
Rotary Switch			
Rotary Switch Connections			

COMPONENT:	Pass	Fail	Remarks:
Launch Angle Indicator	____	____	_____
Circuit Board Assy	____	____	_____
Circuit Board Assembly Connections	____	____	_____
Indicator Light	____	____	_____
Indicator Light Connections	____	____	_____
Raise/Lower Switch	____	____	_____
Raise/Lower Switch Connections	____	____	_____
Electric Wire	____	____	_____
Wire Connections	____	____	_____
Container, Top	____	____	_____
Container , Bottom	____	____	_____
Gasket, Container Joint	____	____	_____

COMPONENT:	REMARKS:
Mast Assy	
External-Actuator Cover	
Actuator Arm Lever	
Housing to Actuator Assy	
Hose Assy, Starboard	
Starboard Actuator Manifold	
Starboard Actuator Assy	
Housing-Actuator Hydraulic Hse Assy, Port	
Housing - Actuator Hydraulic System, Port	
Port Actuator Manifold	
Port Actuator Assy	
Starboard/Port Hinge Arm	
Starboard Door Assy	
Door Seals	
Door Latch Rod, Starboard Door	
Port Door Assy	
Wiring Harness W16	
Platform, Equipped for Access	
Launcher Cylinder Hydraulic Hose Assy	
Launch Cylinder Hose Assys	
Launcher Cylinder	
Launcher Cylinder Swivel Joint	
Elevation Cylinder Hose Assys	
Elevation Cylinder Swivel Joint & Elbows	
Elevation Cylinder Assy	
Elevation Cylinder Manifold	
Elevation Cylinder	
Turnbuckle Connecting Rod	
Elevation Cylinder Linkage Adjustment	
Connecting Rod	
Pivot Pin	
Pivot Bearings	
Center Sheath	
Shield	
Launcher Platform Rail	
Travel Lock Assy	
Pivot Assy	
Bumper	
Stop	
Bracket, Connecting Rod	
Mercury Switch Box	
Pendulum Box Assy	

COMPONENT:	REMARKS:
Rockets Power Distribution Box	
Rocker Arm	
Support Arm	
Arm Sheath Port/Starboard	
Intermediate Sheath	
Sequence Lock Manifold	
Sequence Lck Manifold Hydraulic Asy	
Support Arm Tube Assys	
Elbow	
Elbow Bracket	
Three-Hole Bulkhead Tube	
Angle Mounting	
Launcher Housing	
Tube Assys	
Junction Box A	
Junction Box B	
Limit Switch	
Limit Switch Arm Bracket Wiring	
Harness W15	
Pivot Bracket	
Spring	
Test Plugs	
Nipple	
Coupler	
Lower Seal	
Sheath	
Intermediate Housing Sheath	
Port Housing Guard Starboard	
Housing Guard	
Forward Port Housing Guard	
Aft Port Housing Guard	
Forward Starboard Housing Guard	
Aft Starboard Housing Guard	
Port/Starboard Bar	
Swivel Elbow (Port H2)	
Tie-Down and Adapter Assy	
Tie-Down Adapter	
Tie-Down Assy Aft Wall	
Guard Aft Guard Assy Aft Port Guard	
Aft Starboard Guard Forward Guard	
Assy Cable Guide Starboard Cable	
Guide Aft Port Cable Guide Lower	
Engine Access Cover Latch Upper	
Engine Acc Cover Strike Rail	
COMPONENT:	
Center Channel Assy	
Aft Pallet Rail Tie-Down Bracket	

Port/Starboard Ramp
Rear Pallet Assy
Wear Plate
Quick Release Pins
Starboard Ramp Crossmember
Ramp Wear Plates
Aft Pallet
Forward Pallet Assy
Housing to Forward Pallet Hose Assys
Capstan Hydraulic Hose Assys
Forward Pallet Rail Tie-Down Bracket
Quick Disconnect Coupler Fitting
Power Distribution Box Assy
Quick Disconnect Nipple Fitting
200A Circuit Breaker
2A Circuit Breaker
10A Circuit Breaker
200A Relay
10A Relay
Terminal Block Indicator Light Assy
Toggle Switch Slave Plug Capstan with Hydraulic Motor Assy Capstan
Drum Reduction Gearbox
Reduction Gearbox Lubricating Oils
Reduction Gearbox Oil Change
Hydraulic Filter Change
Capstan Hydraulic Motor
Hydraulic Power Unit
Manual Hydraulic Pump
Manual Hydraulic Pump Handle
Electric Motor/Hydraulic Pump
Electric Motor/Hydraulic Pump
Control Manifold
Reservoir Assy
Sight Glass
Relief Valve
Pressure Gauge
Manual Pump Outlet Tube
Manual Pump Inlet Tube
Clip Spring
Hydraulic Pump Inlet Tube
COMPONENT:
Hydraulic Pump Outlet Tube
Wiring Harness W12
Wiring Harness W13
Wiring Harness W14
Arm Switch

REMARKS:

Control Box
Control Bx & Mounting Brackets Assy
Brackets
Lamps
Selector Knob
Toggle Switch Guard
Receptacles
Receptacle Connections
10A Relay
Relay Connections
Filters
Filter Connections
System Power Switch
System Power Switch Connections
Panel Light
Panel Light Connections
Push Switches
Push Switch Connections
Rotary Switch
Rotary Switch Connections
Launch Angle Indicator
Circuit Board Assy
Circuit Board Assy Connections
Indicator Light
Indicator Light Connections
Raisc/Lowcr Switch
Raise/Lower Switch Connections
Electric Wire
Wire Connections
Container, Top
Container , Bottom
Gasket, Container Joint

REMARKS:

ADDITIONAL OBSERVATIONS:

LIST OF REPAIR PARTS AND ASSEMBLIES REQUIRED FOR REPAIRS

COMPONENT:	REMARKS:
Mast Assy	
External-Actuator Cover	
Actuator Arm Lever	
Housing to Actuator Assy Hose	
Assy,Strbrd Starboard Starboard	
Actuator Manifold	
Starboard Actuator Assy	
Housing-Actuator Hydraulic Hse	
Assy, Port	
Housing – Actuator Hydraulic	
System, Port	
Port Actuator Manifold	
Port Actuator Assy	
Starboard/Port Hinge Arm	
Starboard Door Assy	
Door Seals	
Door Latch Rod, Starboard Door	
Port Door Assy	
Wiring Harness W16	
Platform, Equipped for Access	
Launcher Cylinder Hydraulic Hose	
Assy	
Launch Cylinder Hose Assys	
Launcher Cylinder	
Launcher Cylinder Swivel Joint	
Elevation Cylinder Hose Assys	
Elevation Cylinder Swivel Joint &	
Elbows	
Elevation Cylinder Assy	
Elevation Cylinder Manifold	
Elevation Cylinder	
Turnbuckle Connecting Rod	
Elevation Cylinder Linkage	
Adjustment	
Connecting Rod	
Pivot Pin	
Pivot Bearings	
Center Sheath	
Shield	
Launcher Platform Rail	
Travel Lock Assy	
Pivot Assy	
Bumper	
Stop	
Bracket, Connecting Rod	
Mercury Switch Box Pendulum Box	
Assy	

LIST OF REPAIR PARTS AND ASSEMBLIES REQUIRED FOR REPAIRS

COMPONENT:	REMARKS:
Rockets Power Distribution Box	
Rocker Arm Support Arm Arm	
Sheath Port/Starboard Intermediate	
Sheath	
Sequence Lock Manifold	
Sequence Lck Manifold Hydraul Asy	
Support Arm Tube Assys	
Elbow	
Elbow Bracket Three-Hole Bulkhead	
Tube Angle Mounting	
Launcher Housing Tube Assys	
Junction Box A	
Junction Box B	
Limit Switch	
Limit Switch Arm Bracket Wiring	
Harness W15	
Pivot Bracket	
Spring	
Test Plugs	
Nipple	
Coupler	
Lower Seal	
Sheath	
Intermediate Housing Sheath	
Port Housing Guard Starboard	
Housing Guard	
Forward Port Housing Guard	
Aft Port Housing Guard	
Forward Starboard Housing Guard	
Aft Starboard Housing Guard	
Port/Starboard Bar	
Swivel Elbow (Port H2)	
Tie-Down and Adapter Assy	
Tie-Down Adapter	
Tie-Down Assy Aft Wall Guard Aft	
Guard Assy Aft Port Guard Aft	
Starboard Guard Forward Guard Assy	
Cable Guide Starboard Cable Guide	
Aft Port Cable Guide Lower Engine	
Access Cover Latch Upper Eng	
Access Cover Striker Rail	
COMPONENT:	
Center Channel Assy	
Aft Pallet Rail Tie-Down Bracket	
Port/Starboard Ramp	
Rear Pallet Assy	
Wear Plate	

Quick Release Pins	REMARKS:
Starboard Ramp Crossmember	
Ramp Wear Plates	
Aft Pallet	
Forward Pallet Assy	
Housing to Forward Pallet Hose Assy	
Capstan Hydraulic Hose Assys	
Forward Pallet Rail Tie-Down	
Bracket	
Quick Disconnect Coupler Fitting	
Power Distribution Box Assy	
Quick Disconnect Nipple Fitting	
200A Circuit Breaker	
2A Circuit Breaker	
10A Circuit Breaker	
200A Relay	
10A Relay	
Terminal Block Indicator Light Assy	
Toggle Switch Slave Plug Capstan	
with Hydraulic Motor Assy Capstan	
Drum Reduction Gearbox	
Reduction Gearbox Lubricating Oils	
Reduction Gearbox Oil Change	
Hydraulic Filter Change	
Capstan Hydraulic Motor	
Hydraulic Power Unit	
Manual Hydraulic Pump	
Manual Hydraulic Pump Handle	
Electric Motor/Hydraulic Pump	
Electric Motor/Hydraulic Pump	
Control Manifold	
Reservoir Assy	
Sight Glass	
Relief Valve	
Pressure Gauge	
Manual Pump Outlet Tube	
Manual Pump Inlet Tube	
Clip Spring	
Hydraulic Pump Inlet Tube	
COMPONENT:	
Hydraulic Pump Outlet Tube	
Wiring Harness W12	
Wiring Harness W13	
Wiring Harness W14	
Arm Switch	
Control Box	
Contrl Bx & Mounting Brackets Assy	
Brackets	

LIST OF REPAIR PARTS AND ASSEMBLIES REQUIRED FOR REPAIRS

Lamps
Selector Knob
Toggle Switch Guard
Receptacles
Receptacle Connections
10A Relay
Relay Connections
Filters
Filter Connections
System Power Switch
System Power Switch Connections
Panel Light
Panel Light Connections
Push Switches
Push Switch Connections
Rotary Switch
Rotary Switch Connections
Launch Angle Indicator
Circuit Board Assy
Circuit Board Assy Connections
Indicator Light
Indicator Light Connections
Raise/Lower Switch
Raise/Lower Switch Connections
Electric Wire
Wire Connections
Container, Top
Container , Bottom
Gasket, Container Joint

REMARKS:

ADDITIONAL NOTES:

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
OMB No. 1704-0188

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP ____ TM ____ Other XXX
D. SYSTEM/ITEM: Mine Clearance Launcher, MK 154	E. CONTRACT/PR No.	F. CONTRACTOR

1. DATA ITEM No.	2. TITLE OF DATA ITEM	3. SUBTITLE
C001	Request for Waiver (RFW)	Configuration Management

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-CMAN-80641B	SOW 3.3	MARCORLOGBASESALB 825

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	A	AS REQ	See Blk 16
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**

16. REMARKS

Block 4: Contractor format using .doc or .pdf software is authorized.

Blocks 10 & 12: RFWs shall be submitted to obtain authorization to deliver nonconforming material which does not meet the prescribed configuration documentation.

RFWs will be reviewed and disposition determined within 30 calendar days upon receipt by the government.

RFWs shall be transmitted via e-mail to the following address: mbmatcomconfigmngmnt@matcom.usmc.mil

Distribution Statement A: Approved for public release, distribution is unlimited.

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES		
	Draft	FINAL Reg	FINAL Repro
MCLBA 825-2	0	1	0
15. TOTAL	0	1	0

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

G. PREPARED BY:	H. DATE	I. APPROVED BY:	J. DATE
Dian L Bradley	FEB 11 2000		

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
OMB No. 1704-0188

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP _____ TM _____ Other XXX
D. SYSTEM/ITEM: Mine Clearance Launcher, MK 154	E. CONTRACT/PR No.	F. CONTRACTOR

1. DATA ITEM No.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
C002	Request for Deviation (RFD)	Configuration Management	

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-CMAN-80640B	SOW 3.3	MARCORLOGBASESALB 825	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	A	AS REQ	See Blk 16
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**

16. REMARKS

Block 4: Contractor format using .doc or .pdf software is authorized.

Blocks 10 & 12: RFDs shall be submitted to obtain authorization to deliver nonconforming material which does not meet the prescribed configuration documentation.

RFDs will be reviewed and disposition determined within 30 calendar days upon receipt by the government.

RFDs shall be transmitted via e-mail to the following address: mbmatcomconfigmngmnt@matcom.usmc.mil

Distribution Statement A: Approved for public release, distribution is unlimited.

14. DISTRIBUTION			
a. ADDRESSEE	b. COPIES		
	Draft	FINAL Reg	FINAL Repro
MCLBA 825-2	0	1	0
15. TOTAL	0	1	0

G. PREPARED BY:	H. DATE	I. APPROVED BY:	J. DATE
Mark L. Bradley	FEB 1 3 2000		

DD FORM 1423-1, AUG 96 (EG) PREVIOUS EDITION MAY BE USED

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
OMB No. 1704-0188

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP ____ TM ____ Other XXX
D. SYSTEM/ITEM: Mine Clearance Launcher, MK 154	E. CONTRACT/PR No.	F. CONTRACTOR

1. DATA ITEM No.	2. TITLE OF DATA ITEM	3. SUBTITLE
B001	Repairable Item Inspection Report	

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-ILSS-80386	SOW 4.1	MARCORLOGBASES (835)

7. DD 250 REQ.	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	A	AS REQ	See Blk 16
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
			See Blk 16

16. REMARKS

Block 4 - Contractor format is authorized.

Block 10 - A separate report shall be submitted for each Mine Clearance Launcher, MK 154 repaired.

Block 12 & 13 – Submit report by Marine Corps Serial Number 30 days after completion of each Mine Clearance Launcher, MK 154.

Block 14 – Reports shall be provided hard copy.

Distribution Statement A: Approved for public release, distribution is unlimited.

14. DISTRIBUTION			
a. ADDRESSEE	b. COPIES		
	Draft	FINAL	
		Reg	Repro
MCLBA (835-2)	0	1	0
15. TOTAL	0	1	0

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

G. PREPARED BY:	H. DATE	I. APPROVED BY:	J. DATE
Ruth L Schmidt	00-03-15		

DD FORM 1423-1, AUG 96 (EG) PREVIOUS EDITION MAY BE USED

Designed using Perform Pro, WHS/D/or, Aug 96

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
OMB No. 1704-0188

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP _____ TM _____ Other XXX
D. SYSTEM/ITEM: Mine Clearance Launcher, MK 154	E. CONTRACT/PR No.	F. CONTRACTOR

1. DATA ITEM No.	2. TITLE OF DATA ITEM	3. SUBTITLE
A001	Contractor's Progress, Status, and Management Report	Monthly Progress Report

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-MGMT-80227	SOW 4.2	MARCORLOGBASES (835)

7. DD 250 REQ.	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	A	MTHLY	See Blk 16
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
			See Blk 16

16. REMARKS

Contractor format is authorized.

Block 4 – Tailor DI-MGMT-80227 as follows: Delete paragraphs 10.3g, 10.3h, 10.3i, 10.3j, 10.3k, and 10.3n.

Block 12 – The reporting period shall be from the first to last business day of each month. Initial submission shall be 60 days after contract.

Block 13 – Subsequent submissions shall be 10 days after the last business day of each month.

Distribution Statement A: Approved for public release, distribution is unlimited.

14 DISTRIBUTION

a. ADDRESSEE	b. COPIES		
	Draft	FINAL Reg	FINAL Repro
MCLBA (835-2)	0	1	0
15. TOTAL	0	1	0

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

G. PREPARED BY	H. DATE	I. APPROVED BY:	J. DATE
Ruth D. Schmidt	00-02-15		